



AIR QUALITY BUREAU
ATTN: Application Log in
7900 Hickman Rd., Suite 1
Urbandale, IA 50322

IOWA DNR Air Construction Permit Application

Form EU3: Spray Paint Booth Information

Please see instructions on the reverse side

If your facility is qualified under 567 IAC 22.8(1) **Permit by Rule**, you do not need to use this form.

Company Name:

Booth Type: ☐ New Booth ☐ Unpermitted Existing Booth

☐ Modification to a Permitted Booth (permit #:)

Construction Date:

SPRAY GUN DESCRIPTION AND SPECIFICATIONS

No.	(1) Manufacturer	(2) Model	(3) Type	(4) Transfer Eff. %	(5) Rated Capacity (gal/hr)
1					
2					
3					
4					

Number of guns to be used simultaneously:

SPRAY MATERIAL DESCRIPTION AND SPECIFICATIONS

(6) Type of Spray Material Used	(7) Type of Material Coated	(8) Max. Usage (gal/day)	(9) Solid Content (lb/gal)	(10) VOC Content (lb/gal)	(11) MSDS Attached? (Y/N)

REQUEST FOR PERMIT LIMITATIONS

(12) Are you requesting any permit limits? ☐ No ☐ Yes. If yes, check below and write down all that apply

☐ Operation Hour Limits:

☐ Production Limits:

☐ Material Usage Limits:

☐ Other:

Rationale for Requesting the Limit(s):

EMISSION CONTROL DEVICE (FILTER) DESCRIPTION AND SPECIFICATIONS

Stack Served	(13) Filter Manufacturer	(14) Model	(15) PM Control Efficiency(%)	(16) Dimension (Total Area, Thickness and Number of Filters)
Stack 1				
Stack 2				
Stack 3				
Stack 4				

Note: a. Provide either stack test data or vendor's documentation to support the control efficiency specified above.
b. Fill out the Form CS if other control device than a filter system is applied to this booth.

BOOTH OPERATING SCHEDULE (hours/day, or hours/year, or other)

(17) Actual Operation		(18) Maximum Operation	
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STACK/VENT (EMISSION POINT) SPECIFICATIONS AND EXHAUST INFORMATION

	Stack 1	Stack 2	Stack 3	Stack 4
(19) Stack/Vent ID Number				
(20) Emission Unit ID Number				
(21) Height from the Ground (ft)				
(22) Height from the Building (ft)				
(23) Distance from Property Line (ft)				
(24) Stack Size (in Dia. or in.X in.)				
(25) Stack Discharge Style				
(26) Rated Flow Rate (<input type="checkbox"/> acfm <input type="checkbox"/> scfm)				
(27) Exhaust Exit Temperature (°F)				

Instructions for Form EU3: Spray Paint Booth Information

If your facility is qualified under IAC 567 22.8(1) Permit by Rule, you do not need to use this form. Instead, you need to fill out a form called "Notification Letter for Permit by Rule for Spray Booths".

Please provide your company name. Mark the type of your booth, such as a new booth to be constructed, an unpermitted existing booth (as-built) applying for a permit for the first time, or a permitted source to be modified. Please provide the date of construction of the booth in mo/date/yr in which construction or modification begins as defined in EU Form Instruction item 7. **USE ATTACHMENT IF ADDITIONAL SPACE IS REQUIRED.**

Spray Gun Description and Specifications:

- (1) Specify manufacturer(s) of the spray gun(s) used in your booth.
- (2) Specify the model(s) of the spray gun(s).
- (3) Indicate the type of the gun(s). The type can be airless, HVLP, air atomization, electrostatic/air atomization, etc.
- (4) Indicate the transfer efficiency of the painting operation.
- (5) A rated capacity is the maximum spray rate, usually in unit of oz/min, gal/hour, etc.

Spray Material Description and Specifications (Use Attachment if Additional Space is Required):

- (6) Indicate all the coating materials used in this booth including enamel, lacquer, clean-up solvent, primer, etc..
- (7) Indicate all of the types of material that are being coated as being metal, wood, plastic, etc..
- (8) Indicate the maximum usage of the materials listed in Item (6) in gallons per day.
- (9) Indicate the maximum solid content that is used or expected to be used in pounds per gallon as it is applied.
- (10) Indicate the maximum volatile organic chemicals (VOC) content that is used or expected to be used in pounds per gallon as it is applied.
- (11) Material Safety Data Sheet (MSDS) for each painting material used in the booth should be attached with the application.

Request for Permit limitations:

- (12) If you wish to have permit limits placed on the paint booth, mark "Yes." Then, check each type of limit that applies to this emission unit and write down the requested limit. For example, production limits may be in terms of parts produced per year, material usage limits may be in gallons per day. If requesting a permit limit(s), indicate the rationale for the requested limit. This helps the DNR and the applicant determine whether the limits are necessary, and if they will accomplish the desired purpose.

Emission Control Device (filter) Description and Specifications:

- (13) Provide the name of the filter manufacturer
- (14) Provide the model of the filter according to manufacturer's literature.
- (15) Provide the control efficiency for particulate matter.
- (16) Provide the dimension of the filter in the total area and total thickness.

Booth Operation Schedule:

- (17) Provide operation schedule of the booth under a general condition.
- (18) Provide schedule for projected maximum operation.

Stack/Vent Specifications and Exhaust Information:

- (19) Provide the identification number(s) of the stack(s). This number is used for this permit application to identify the emission unit. The ID number should match the ID numbers used on other construction permit applications and within this application. It can be any number. **However, if you submitted a operating permit application, the numbers used for identification purposes in this application should be consistent with the ID numbers used in your operating permit application.**
- (20) Provide the identification number for the emission unit. **The ID number should match ID numbers used on other construction permit applications and within this application.**
- (21) Provide the height of the top of the emission point(s) above ground.
- (22) Provide the height of the top of the emission point(s) above the highest level of the building roof.
- (23) Provide the distance between the stack and your nearest property line.
- (24) Provide size of the stack openings. It could be inches diameter for circular openings, or inches times inches for rectangular, square, or other shapes.
- (25) Indicate the discharge style. The discharge style could be:
 - VR: vertical, with obstructing rain cap.
 - V: vertical, with unobstructing rain cap or without rain cap.
 - D: downward discharge.
 - H: horizontal discharge
 - I: The emission unit(s) does not vent directly to the atmosphere but rather, vents into the building, mark Inside.
- (26) Indicate the rated exhaust flow rate in actual or standard cubic feet and check appropriate box.

(27) Provide the temperature of the exhaust at the emission point in degrees Fahrenheit. If ambient, indicate so.